COOPERATIVE FUNDING PROGRAM
ALTERNATIVE WATER SUPPLY PROJECT APPLICATION

Applications are limited to 25 pages including figures, cost calculations, and the Acknowledgment letter. Application submittals must uploaded at http://www.sfwmd.gov/coopfunding by **May 20, 2016 at 6:00 PM**. Prior to completing this Application, it is recommended you read the CFP Guidelines. This application is for projects which will be constructed between October 1, 2016 and September 30, 2018.

PROJECT SUMMARY

Project Name: Reclaimed Water System Expansion, Phase I	
Applicant: City of Hoschton Utilities	
Authorized Representative: William Jackson	**Project Manager (if different):** James Net
Address: 123 Capital Way	**Address:** 134 Main Street
City/Zip: Hoschton 33000	**City/Zip:** Hoschton 33000
Telephone: 555-55-5555	**Telephone:** 555-55-5556
Email: wjackson@hoschton.fl.com	**Email:** jnet@hoschton.fl.com
Federal ID Number: 12-3456789	**Project Latitude/Longitude:** 26.5°0'0"N / 80.5°0'0"W
Construction Cost (10/1/16-9/30/18)**:** $915,000	**Total Project Cost** (10/1/16-9/30/18)**:** $1,445,000
Requested Funding: $415,000	**Local Funding:** $415,000
SFWMD Planning Region: Lower East Coast	**County:** Palm Beach
AWS Project Type (reclaimed, brackish, ASR, etc.): Reclaimed	
Multi-year project?: Yes ☒ No ☐	
Phase Completion Date (10/1/16-9/30/18)**:** 6/30/18	**Total Project Completion Date (All Phases):** 6/30/19
Phase Capacity in MGD: 0.5	**Total Capacity in MGD:** 1.0
Are there other District programs or other agencies contributing funding to this project? Yes ☐ No ☒ If yes, source(s): If yes, amount(s):	
Does any SFWMD employee, Governing Board member, contractor, or other affiliate of the Applicant have a financial interest in this project, the property associated with this project or with any party that may profit financially from this project? Yes ☐ No ☒ If yes, list the parties and interests:	
Is the project part of your institution's capital/facilities work program? Yes ☒ No ☐	
This is a reimbursement program with the entire project scope expected to be completed within the funding period, regardless of amount awarded. There is no guarantee the Applicant will be awarded the amount requested. Are budgeted funds available to pay for the entire scope of the project? Yes ☒ No ☐	
Does the applicant understand that if for any reason, the project scope is not 100% completed as outlined in the statement of work, the funding amount may be reduced to match the original percentage of funding in the contract that was based on the estimated construction cost provided in the application? Yes ☒ No ☐	
Does the applicant understand that funds are only for expenses incurred or obligated during the funding period (October 1, 2016 – September 30, 2018)? Yes ☒ No ☐	
Is the Applicant a REDI Community? Yes ☐ No ☒	

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Has this project received previous SFWMD funding? Yes ☐ No ☒
If yes, provide the following information:

Year Awarded	Contract Number	Amount Awarded	Amount Spent

SHORT DESCRIPTION

In the box below, provide two to three sentences describing the project for which funding is being requested.

The City will install approximately 12,000 linear feet of 12-inch diameter reclaimed water distribution pipeline during Phase I of this project.

PROJECT FIGURES

Note: Each figure should fit on a sheet of 8.5" x 11" paper and include a scale and North arrow.

Figure 1: Project Location. City or town map clearly showing the project location in relation to the nearest major street or road intersection.

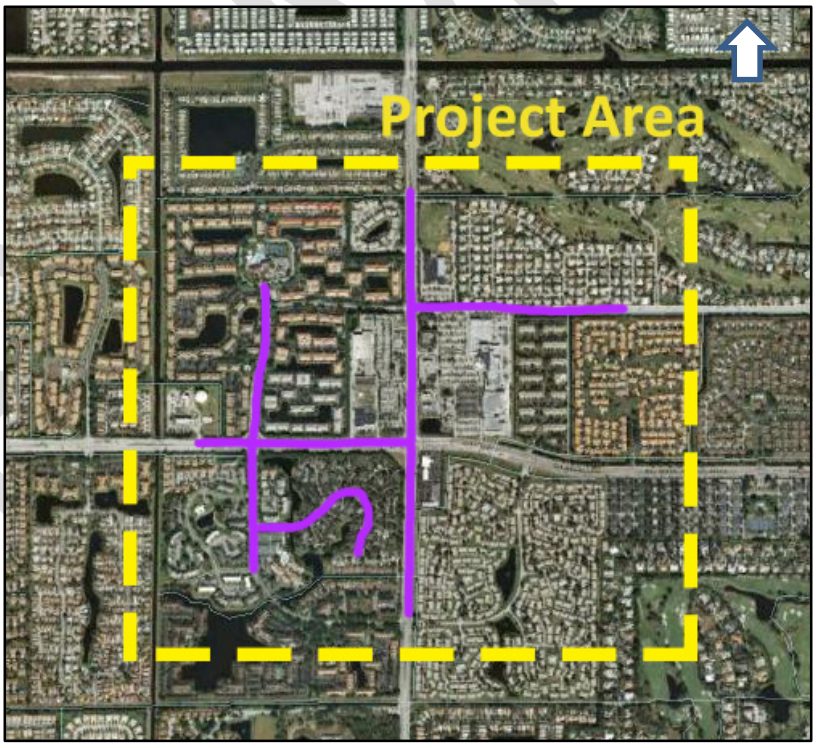

Figure 2: Project Details. Project-level map showing sufficient detail depicting the proposed project (e.g., show a proposed pipeline between two intersections bounding the project; show a plant layout with the proposed project phase components highlighted, such as storage/chlorination tank, etc.).

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PROJECT DETAILS

Statement of Work

This section will be used to create the contract document if the project is selected for funding.

Provide detail on your project as follows:

A. Introduction/Background (3 – 6 paragraphs)

This project will reduce dependence on a traditional water source (Surficial aquifer) by providing reclaimed water to users who currently use groundwater and potable water for irrigation. Being in a coastal area, reduction in groundwater use also reduces the potential for saltwater intrusion. This project is consistent with the Lower East Coast Water Supply Plan, which encourages expanded use of reclaimed water, and is also consistent with the District's Strategic Plan supporting increased use of alternative water supplies.

The City of Hoschton has been proactive in establishing a reclaimed water system within their service area. Reclaimed water for irrigation has been provided to customers since 1995 and currently has approximately 250 metered connections. The City is now ready to expand their reclaimed water system within its service area. This Phase I expansion includes the installation of approximately 12,000 linear feet of reclaimed water pipeline along Pendergrass Road.

As part of the City expanding its infrastructure to support development, the master plan identified Phase I expansion of the reclaimed system along Pendergrass Road, followed by a Phase II expansion (7,000 linear feet) along Jefferson Street. This plan was approved by the City Council on September 16, 2014.

B. Objectives (1 – 2 paragraphs)

The objective of the project is to enlarge the reclaimed distribution network so the City can increase the amount of reclaimed water delivered to customers that are currently using groundwater or potable water for irrigation. This expansion of the reclaimed water distribution system will decrease withdrawals from the surficial aquifer, lower per-capita demand for potable water, and delay expansion of the City's water treatment facility.

C. Detailed Scope of Work for FY2017-2018 (3 – 6 paragraphs)

The City of Hoschton built its Reclaimed Water Production Facility in 1995 and expanded its treatment capacity in 2006. This project, which is part of the City's Reclaimed Water Master Plan, is to expand the distribution and reuse up to 1 MGD (Phase I – 0.5 MGD; Phase II – 0.5 MGD). This project will be installed in an existing developed area and will provide reclaimed water to users currently using groundwater and potable water for irrigation. The City will install approximately 12,000 linear feet of 12-inch reclaimed water distribution pipeline during Phase I. Phase II will be completed during FY19.

Initially, the pipeline will be installed along Pendergrass Road between Legacy Drive and New Street. This section of pipeline will be used to serve the Legacy Home Owners Association (HOA). Meters will be included with each of the connections.

The next segment of pipeline to be constructed along Pendergrass Road will be between New Street and Green Street. This section of pipeline will allow the City to connect West Jackson Park to the reclaimed water system. A meter at the park is included in the scope of work.

The final section of pipeline to be constructed under Phase I is along Pendergrass Road between Green Street and Bell Avenue. This segment of pipeline will include metered connections to Chestnut HOA and Hoschton Park.

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Table 1 – Project Breakdown

Fiscal Year	FY2017	FY2018	FY2019 and Beyond	Project Total
Project Phase (e.g. Phase 1/ I, etc.)	Distribution Pipeline, Phase I	Distribution Pipeline, Phase I	Distribution Pipeline, Phase II	Not applicable
Major deliverables (brief description of major tasks to be completed)	Install approximately 5,500 LF of 12" reclaimed water pipeline	Install approximately 6,500 LF of 12" reclaimed water pipeline	Install approximately 7,000 LF of 12" reclaimed water pipeline	Not applicable
Construction Cost ($)	$375,000	$455,000	$480,000	$1,310,000
Planning/Design/Engineering/Other Costs ($)	$75,000	$10,000	$50,000	$135,000
Total Cost ($)	$450,000	$465,000	$530,000	$1,445,000
Capacity Made Available in MGD[1]	0.0	0.5	0.5	1.0

[1]Include water made available only in year project becomes operational

Table 2 – Deliverables Schedule

Task No.	Deliverable(s) *(add lines as needed)*	Expected Completion Date	Construction Cost ($)
1	Electronic submittal of final project bid amount and/or vendor estimates for all tasks to be completed.	Upon contract execution	N/A
2	Exhibit "C" – Status Report	December 31, 2016	N/A
3	Exhibit "C" – Status Report	March 31, 2017	N/A
4	Exhibit "C" – Status Report	June 30, 2017	N/A
5	Exhibit "C" – Status Report	September 30, 2017	N/A
6	Exhibit "C" – Status Report	December 31, 2017	N/A
7	Exhibit "C" – Status Report	March 31, 2018	N/A
8	Construct approximately 4,000 linear feet of 12- inch diameter pipeline between Legacy Drive and New Street, including all valves, fittings, piping appurtenances and restoration / Reimbursement Request Package	Upon Task Completion	$275,000
9	Construct approximately 4,500 linear feet of 12-inch diameter pipeline between New Street and Green Street, including all valves, fittings, piping appurtenances and restoration / Reimbursement Request Package	Upon Task Completion	$300,000
10	Construct approximately 3,500 linear feet of 12-inch diameter pipeline between Green Street and Bell Avenue, including all valves, fittings, piping appurtenances and restoration / Reimbursement Request Package	Upon Task Completion	$255,000
11	Exhibit "D" – Final Project Summary Report / Final Reimbursement Package	September 30, 2018	N/A
		Total[1]	**$830,000**

[1]Total deliverable costs should match the total construction information in **Table 1** and **Part C** (Detailed Scope of Work) above. Deliverables should be descriptive (e.g. number and size of pumps, length, diameter and location of pipelines, etc.) to identify what work is being completed and funding requested. Status Reports are due within ten (10) days of due date. See Sample Application at www.sfwmd.gov/coopfunding.

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PROJECT BACKGROUND AND SUPPORTING INFORMATION

Please clearly and briefly answer the following questions and provide supporting information.

Has the project design and bid drawings been completed? Yes ☐ No ☒
If yes, date:
If no, anticipated date: June 15, 2016

Has the contractor been selected? Yes ☐ No ☒
If no, when: September 15, 2016

Have all land purchases, agreements, right-of-ways, etc. been executed? Yes ☒ No ☐
If no, explain:

Have all other necessary items to start construction been completed? Yes ☒ No ☐
If no, explain:

List all relevant permits required to start or continue construction in **Table 3** below.

Table 3 – Permits

Agency	Permit No.	Permit Type (Water/WW, ERP, CUP, Building)	Permit Obtained?		Permit Date (expected date if not obtained yet)
			Yes	No	
SFWMD	50-45678-W	CUP - Dewatering		x	9/1/16
Palm Beach County	876543a	Building		x	8/15/16
FDOT	34-2468-16	Construction	x		2/12/16

1. **If applicable, provide the name of the related project in the Water Supply Plan (WSP) associated with the proposed work. Projects can be found in the relevant WSP. If the project is not included in a WSP, indicate if it's included in the Water Supply Facilities Work Plan and/or Capital Improvement Schedule in the applicable local government's Comprehensive Plan:**

   City of Hoschton Water Supply Facilities Work Plan

   Name of Water Supply Plan Project title or Local Government Project Title

2. **Please address the following factors described in Section 373.707, F.S. (alternative water supply development):**

   a. **Describe how the project provides substantial environmental benefits by preventing or limiting adverse water resource impacts.**

      This project will deliver reclaimed water for irrigation to existing users of groundwater (Surficial aquifer) and potable water. The decrease in pumpage from groundwater and lowered per capita demand will result in environmental benefits to both the Surficial aquifer and potentially to the wetlands in proximity to the City's wellfield due to the decrease in raw water demands.

   b. **Describe how the project reduces competition for water supplies.**

      By definition, the use of reclaimed water for irrigation instead of groundwater and potable water decreases competition for water supplies. The decreased per capita demand decreases the City's need to pump groundwater. It will also reduce competition between users for water supply from the Surficial aquifer.

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c. Identify the traditional source being replaced and/or any minimum flow, level, or reservation the alternative source utilized that this project is helping to implement. Explain.

The traditional source being replaced is groundwater from the Surficial aquifer. By supplying reclaimed water for irrigation, it replaces/reduces the need for withdrawals from the Surficial aquifer.

d. If the project is going to be implemented by a consumptive use permittee that has achieved the targets contained in a goal-based water conservation program approved pursuant to Section 373.227 F.S., please provide details. If not, briefly describe your conservation program.

The City of Hoschton has a number of conservation programs and requirements intended to stretch its water supply. The City has a Toilet Rebate Program and applies Florida Water Star requirements for all new homes. A Water Usage Analysis is also available to customers with the intent of using water more wisely. To limit the use of water, including reclaimed water, the City sets its own watering days and times that are more limiting than the SFWMD's Year-Round Landscape Irrigation Rule.

e. Describe the quantity of water supplied by the project as compared to its construction cost. Provide a calculation showing the average annual daily quantity of water supplied by the project (expressed in millions of gallons of water), divided by the annualized capital cost of the project. If the project will not be used continuously, please provide the annual amount of water that will be supplied by the project. An Annualized Capital Cost calculator has been created for you and can be downloaded via this LINK.

The annual average daily water supplied by this project (Phase I) is 0.5 MGD. Using the Phase I Total Project Cost of $915,000 and a project life of 30 years, the annualized capital cost for this project is $0.25 per 1,000 gallons (using the SFWMD calculator).

f. Is the construction and delivery to end users of reclaimed water a major component of the project? What portion of the reclaimed water will offset the existing use potable use?

Yes, the delivery of reclaimed water to end users is a major component of the project. Approximately 40% of the reclaimed water delivered will offset existing potable use. This equates to approximately 200,000 gallons per day.

g. Is the project going to be implemented by a multi-jurisdictional water supply entity or regional water supply authority? If yes, please provide name of entity.

No. This project will be implemented solely by the City of Hoschton.

h. Does the project implement reuse that assists in the elimination of domestic wastewater ocean outfalls, as provided in Section 403.086(9), F.S.?

No. The City of Hoschton is not required to implement reuse in compliance with the Ocean Outfall Program and is not contracted with any utilities that are required to comply.

i. Has the county or municipality, or the multiple counties or municipalities, in which the project is located, implemented a high-water recharge protection tax assessment program, as provided in Section 193.625, F.S.?

No.

j. Is this project part of a plan to implement two or more alternative water supply projects, all of which will be operated to produce water at a uniform rate for the participants in a multi-jurisdictional water supply entity or regional water supply authority? If yes, describe the plan and its goals.

No. This project is being implemented to produce water solely for customers within the City of Hoschton.

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k. Identify the source(s) and percentage of project costs to be funded by the water supplier or water user. List any other funds being sought and the expected date of approval.

The City of Hoschton is bearing the total project cost, minus funds provided by this program. Recipients of the reclaimed water (water users) will be purchasing it from the City, in accordance with established rates approved by the City.

l. Does the project proposal include sufficient preliminary planning and engineering to demonstrate that the project can reasonably be implemented within the timeframes provided in the regional water supply plan? Is this project a subsequent phase of an AWS project underway?

Yes. Sufficient preliminary planning and engineering has been conducted for reasonable assurances that the project will be implemented within the time frames provided. Copies of the City's Water Supply Facilities Work Plan and Capital Improvement Schedule will be provided upon request. This project is not a subsequent phase of an AWS project underway.

m. For local government utilities: Describe whether and in what percentage the utility is transferring water supply system revenues to the local government general fund in excess of reimbursements for services received from the general fund, including direct and indirect costs and legitimate payments in lieu of taxes.

The City is required to transfer 10% to cover services received from the general fund, including accounting, legal, and administrative. The City does not transfer additional funds beyond this amount. The annual financial statement for 2015 is available upon request.

n. Indicate the percentage of the total water-producing capacity of the system that this project will provide.

Phase I of the project will increase the capacity of the reclaimed water system by 0.5 MGD. The existing capacity of the system is 1.5 MGD. Phase I will, therefore, increase the capacity of the system by 33%.

FOR REUSE PROJECTS:

3. Pursuant to Section 373.707(9) (a-d), F.S. please show that reclaimed water made available through your project is metered for all uses, and that rate structures are implemented based on actual use of reclaimed water. Also, verify that education programs are in place to inform the public about water issues, water conservation, and the importance and proper use of reclaimed water.

The City of Hoschton passed Resolution 2014-567 on Dec 1, 2014 established the rate structure for reclaimed water usage. All customer connections will be supplied with a meter to record usage. The City provides educational information about water usage and conservation, including reclaimed water, through periodic inserts included with billing and with educational and informational material posted on the City's website.

4. In the table below, list the anticipated reclaimed water users that will connect to the proposed reclaimed water project.

Table 4 – Reclaimed Water Users

Name *(add lines as needed)*	**User Demand (MGD)**	**Has an agreement been executed? (Y/N)**	**Estimated Connection Date**
Legacy HOA	0.12	Y	9/30/2017
West Jackson Park (City owned)	0.15	N/A	9/30/2017
Chestnut HOA	0.08	Y	8/31/2018
Hoschton Park (City owned)	0.15	N/A	8/31/2018
Total user demand	0.50	N/A	N/A
Proposed project capacity	0.50	N/A	N/A

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SUBMITTAL CHECKLIST

☒ The Acknowledgment Form, on Applicant letterhead, has been completed and notarized and uploaded as a pdf

☒ Project maps have been included in the application or uploaded separately

☒ Cost calculations, as requested in 2e, have been included in the application

Cooperative Funding Program
Alternative Water Supply
Annualized Capital Cost Calculator

Applicant Agency/City Name	City of Hoschton
Project Title	Reclaimed Water Distribution Expansion, Phase I

AWS Project Type	Total Phase Project Cost	Phase Capacity (MGD)	Service Life (in years)	Annualized Capital Cost ($/kgal)
Reclaimed distribution expansion	$915,000	0.5	30	$0.25
				$0.00
				$0.00
				$0.00
				$0.00
				$0.25

Discount Rate	2.85%	(Default value)

Alternative Water Supply Notes:

1) Enter data only in YELLOW cells; blue cells are calculated for you.
2) Total Project Cost should match the amount listed in Table 1 - Project Breakdown
3) Phase Capacity (MGD) listed in the Project Summary (page 1) of the application & Table 1.
4) For service life, see the table below.
5) Enter this Cost Effectiveness information under question 2 (e).

Item	Service life (Commercial) in years
All AWS projects will assume a service life of 30 years for the unit production cost calculations	30